

MISCELLANEOUS NOTES ON NEOTROPICAL FLORA, III.

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A few years ago, on the occasion of my treatment of the Astereae of Colombia (Webbia 24: 46, 1969), I re-established the genus Noticastrum DC. Prodr. 5: 279, 1836. This genus, except for Philippi and Remy, had been completely disregarded by the subsequent botanists, who had preferred to treat its species as Aster or as Leucopsis.

Distinctive features of Noticastrum are the 16-26-ribbed, hirsute achenes with an oblong or rather subfusiform outline and a callous, oblique carpophore, the pluriseriate pappus with 3-6 rows of unequal, rather rigid, scabrous setae, the herbaceous habit with a main pivotant root, a short stem frequently stoloniferous, the subrosular basal leaves and the axillary monocephalous or paucicephalous decumbent at base and for the rest ascendent branches. Authentic Aster species have achenes with only 2-5 noticeable nerves. Fig. 1.

Only one species is known to spread throughout the tropical Andean region; the other species, probably about a dozen, are rather subtropical or extratropical, and found scattered from Chile to Argentina, Uruguay, Paraguay, and southern Brazil. A thorough revision of this group is very much needed. In the meantime, it seems advisable to publish the following new combinations for the species involved along with a listing of names already published under this generic concept.

NOTICASTRUM ACUMINATUM (DC.) Cuatr. comb. nov.

Aplopappus? acuminatus D.C. Prodr. 5: 348. 1836.

Haplopappus calendulaceus Griseb. Symb. Arg. 179. 1879.

Leucopsis calendulacea (Griseb.) Baker in Martius Fl. Brasil. 6(3): 9. 1882.

Leucopsis acuminata (DC.) Malme, Ark. Bot. 24A: 43. 1931.

Aster calendulaceus (Griseb.) Kuntze, Rev. Gen. 3(2): 129. 1898. Cabrera, Bol. Soc. Argen. Bot. 8: 27-28, 1959; Fl. Prov. Buenos Aires 6: 78, 1963.

Type: Gaudichaud 1833, Prov. de Rio Grande (Herb. Imperial du Brésil, no. 1041) (P, lectotype).

Material studied: Pedersen 4474, Concepción, Corrientes; Pedersen 16, Mburucuya, Corrientes, Argentina; Herter 89059, Barra, Uruguay (US). Photo F. M. 14875 of Lorentz, Concepción, Uruguay, isotype of Aplopappus calendulaceus in Berlin.

The synonymy of A. acuminatus DC. with H. calendulaceus is based on Cabrera (l.c. 1959).

NOTICASTRUM ARGENTINENSE (Cabrera) Cuatr. comb. nov.

Aster argentinensis Cabrera, *Compuestas Bonaerenses*, Rev. Mus. La Plata (N. Ser) Bot. 4: 73. fig. 20. 1941.

Aster marginatus sensu Cabrera in Fl. Prov. Buenos Aires 4: 79, 1963, no HBK.

The fine lanate indumentum at the branches from the bottom up, made by the capillary slender, flexuose, entangled hairs, distinguishes mainly this Argentinian species from N. marginatum. The latter is rather hirsute or villous; it has sometimes a slightly lanate appearance when its hairs on the branches are very abundant, but in this case, the hairs are thick and spreading in their lower portion and only flexuose on the long tips.

Material studied: PE-4368, Uruguay (US); Krapovickas 2926, Tandil, pr. Buenos Aires (US); Pedersen 3870, 1739, Mburucuya, Corrientes, Argentina (US).

NOTICASTRUM CALVATUM (Baker) Cuatr. comb. nov.

Leucopsis calvata Baker in Martius Fl. Brasil. 6(3): 8. 1882.

Aster calvatus (Baker) Herter, Fl. Urug. Pl. Vasc. 121. 1931. Cabrera, Bol. Soc. Arg. Bot. 8: 28. 1959.

Type: Riedel, Brasil meridional, (K).

Material studied: Brasil: L. B. Smith 6321, Paraná (US); L. B. Smith & R. Klein 10727, 11837, 12085, Santa Catarina (US); Smith, Reitz & Caldato 9602, Parana (US); Swallen 8905, Paraná (US).

NOTICASTRUM DECUMBENS (Baker) Cuatr. comb. nov.

Aster decumbens Baker in Martius Fl. Brasil. 6(3): 24, pl. 8, fig. 2. 1882. Cabrera, *Compuestas Bonaerenses*, Rev. Mus. La Plata 4(16): 73. 1941; Bol. Soc. Arg. Bot. 8: 29. 1959; Fl. Prov. Buenos Aires 6: 79. 1963.

Type: Tweedie, B. Aires (K), photo in US.

Material studied: Pedersen 1745, Mburucuya, Corrientes, Argentina (US).

NOTICASTRUM GNAPHALIOIDES (Baker) Cuatr., comb. nov.

Leucopsis gnaphalioides Baker in Martius Fl. Brasil. 6(3): 5. 1882.

Aster gnaphalioides (Baker) Hassler, Fedde Repert. 18: 26. 1919. Cabrera, Bol. Soc. Arg. Bot. 8: 29-30. 1959.

Leucopsis acuminata Malme, Arkiv Bot. 24A(6): 43. 1932; not Aplopappus acuminatus DC.

Aster Sellowii Hieronymus in schaed. ex Malme loc. cit. as synonym (nomen nudum).

Type: Regnell III-733, Caldas, Minas Gerais, Brasil.

(Lectotypus, US).

Additional material examined: Brasil: Paraná: Dusen 7968, 9812, 14845 (US); São Paulo: Hoehne 104, 6282, 16480, 16482, 16484 (US); Rio Grande do Sul, Rau s. n. (US).

NOTICASTRUM MACROCEPHALUM (Baker) Cuatr. comb. nov.

Leucopsis macrocephala Baker in Martius Fl. Brasil. 6(3): 8. 1882.

Aster macrocephalus (Baker) Hassler, Fedde Repert. 16: 26. 1919.

Type: Balansa 886, Paraguay (K).

Material studied: Hassler 8914a, Caaguazú, Paraguay (US); Jorgensen 4816, Estancia Rivera, Paraguay (US); Pedersen 2654, Estancia Santa Teresa, Mburucuya, Corrientes, Argentina (US).

The rays in this species may be white, roseate or purple.

NOTICASTRUM MONTEVIDENSE (Sprengel) Cuatr. comb. nov.

Onoseris montevidensis Spreng., Syst. Veg. 3: 502. 1826.

Erigeron diffusus Persoon, Syn. Pl. 2: 431. 1807, not E. diffusus Ait.

Aplopeppus? diffusus (Pers.) DC. Prodr. 5: 349. 1836.

Aster montevidensis (Spreng.) Griseb. Fl. Lorentz. 124. 1874. Cabrera, Bol. Soc. Arg. Bot. 8: 31. 1959; Fl. Prov. Buenos Aires 6: 80. 1963.

Leucopsis diffusa (Pers.) Baker in Mart. Fl. Brasil. 6(3): 8. 1882.

Type: Sellow, "Monte Video," Uruguay.

Material studied: Abbiati 4036, Sierra Olabarria, Prov. B. Aires (US); Abbiati 4313, Sierras del Tandil, Prov. B. Aires (US); Pedersen 3822, Mercedes, Corrientes, Argentina (US); Kuntze, Córdoba, Argentina; Swallen 9058, Bage, Rio Grande do Sul, Brasil (US); Sellow 219, Brasil (US).

NOTICASTRUM PSAMMOPHILUM (Klatt) Cuatr. comb. nov.

Aster psammophilus Klatt, Arb. Bot. Mus. Hamb. 1890 extr. 4; Jahrb. Hamb. Wiss. Anstalt 9: 126. 1892.

Type: Ule 1595, Santa Catarina, in Dunen bei Laguna, April 1890 (HBG).

Material studied: Reitz & Klein 642, Campo Massiambu, restinga, 2 m alt, Santa Catarina, Brasil (US).

NOTICASTRUM ADSCENDENS DC. Prodr. 5: 279. 1836. Type of genus Noticastrum.

Type: Gay s. n., Chile, K, lectotype (Herbarium

Hookerianum).

NOTICASTRUM ALBUM Philippi, An. Univ. Chile, 27: 317. 1865.

Type: Philippi, Concepción, Chile (Isotypus, US). Photo of isotype in Berlin FM-14871.

NOTICASTRUM ANTUCENSE Philippi, Linnaea 80: 192. 1858.

Type: Gay 753, Antuco, Chile.

No material attributable to this concept has been seen. Probably it is a synonym of N. marginatum.

NOTICASTRUM ERECTUM Remy in Gay Fl. Chile 3: 338. 1902.

A synonym of N. marginatum. See Cuatrecasas, Webbia 24: 47. 1969.

NOTICASTRUM ERIOPHORUM Remy in Gay Fl. Chile 4: 20. 1849.

Aster eriophorus (Remy) Reiche, Fl. Chile 3: 339. 1902.

In the original description no mention is made of any collection. "Se cria en los cerros de Yaquil en la provincia de Colchagua. Florece en abril." It is probably a synonym of N. haplopappum and N. sericeum.

NOTICASTRUM GLANDULOSUM Philippi, Anal. Univ. Chile 87: 409. 1894.

No authentic material seen of this species. According to Reiche (Fl. 5: 340), it is synonymous with N. adscendens DC.

NOTICASTRUM LEUCOPAPPUM Philippi, Anal. Univ. Chile 87: 408. 1894.

Type: Philippi: Angol (Malleco), Chile.

It is probably a form of N. album, more densely woolly with shorter leaves.

NOTICASTRUM MARGINATUM (HBK) Cuatr., Webbia 24: 47. figs. 2 bis G, 11, 12. 1969.

Aster marginatus HEK., Nov. Gen. Sp. Pl. 4: 91. 1820.

Type: Humboldt & Bonpland s. n. (holotype, P), photo F.M.-37623, Bogota, Colombia.

For description, distribution, synonyms and other data see Cuatrecasas, l. c.

NOTICASTRUM MARGINATUM fma. ACAULIS (Wedd.) Cuatr. comb. nov.

Aster acaulis Wedd., Chl. And. 1: 189, pl. 33A. 1857.

Type: Weddell s. n., Prov. Ayopaya, Bolivia; holotype, P.

There is only extant one rosette of this collection and it matches well Gay's Cuzco collection mentioned below.

Other collections examined: Gay 462 (P, paratype), Dept. Cuzco, Peru; Mandon 214 (P), vicinity Sorata, Bolivia, via ad Lacatia, reg. alp. 3700 m, Oct. 1858.

NOTICASTRUM PHILIPPI Sch. Bip. Bonplandia 4: 54. 1856. Nomen nudum.

A synonym of N. marginatum. See Cuatrecasas, Webbia 24: 47. 1969.

NOTICASTRUM PRADENSE (Philippi) Philippi, Linnaea 33: 130. 1864.

Aster pradensis Philippi, Linnaea 28: 729. 1857.

Type: Philippi s. n., Cuesta del Prado (Valparaiso-Santiago) et Talcahuano, Chile.

Probably, it is synonymous with N. sericeum Less.

NOTICASTRUM SANFURGI Philippi, An. Univ. Chile 87: 409. 1894.

I have seen no material of this species. According to Reiche (Fl. Chile 3: 340), it is a synonym of N. adscendens.

NOTICASTRUM SERICEUM (Lessing) Lessing ex Philippi Linnaea 33: 130 (1864-65).

Diplopappus sericeus Less. Linnaea 6: 110. 1831.

Aplopappus? sericeus (Less.) DC. Prodr. 5: 349. 1836.

Noticastrum haplopappum Remy in Gay, Fl. Chile 4: 19. 1849.

Aster notosericeus Griseb. Symb. 178. 1879.

Leucopsis sericea (Less.) Baker in Martius Fl. Brasil.

6(3): 7. 1882.

Aster haplopappus (Remy) Kuntze, Rev. Gen. 1: 316. 1891.

Cabrera, Compuestas Bonaerenses, Rev. Mus. La Plata 4(16): 78. 1941; Fl. Prov. Buenos Aires 6: 82. 1963.

Type: Chamisso, Talcahuano, Concepción, Chile.

Material seen: Philippi s. n., Maule, Chile (US); Job 206, Chafari, Entre Rios, Argentina (US); Kuntze, Villa Mercedes, Argentina (US); Lillo 82990, Quitilipi, Chaco (US);

Ibarrola 2314, Juan Pujol, Corrientes, Argentina (US).

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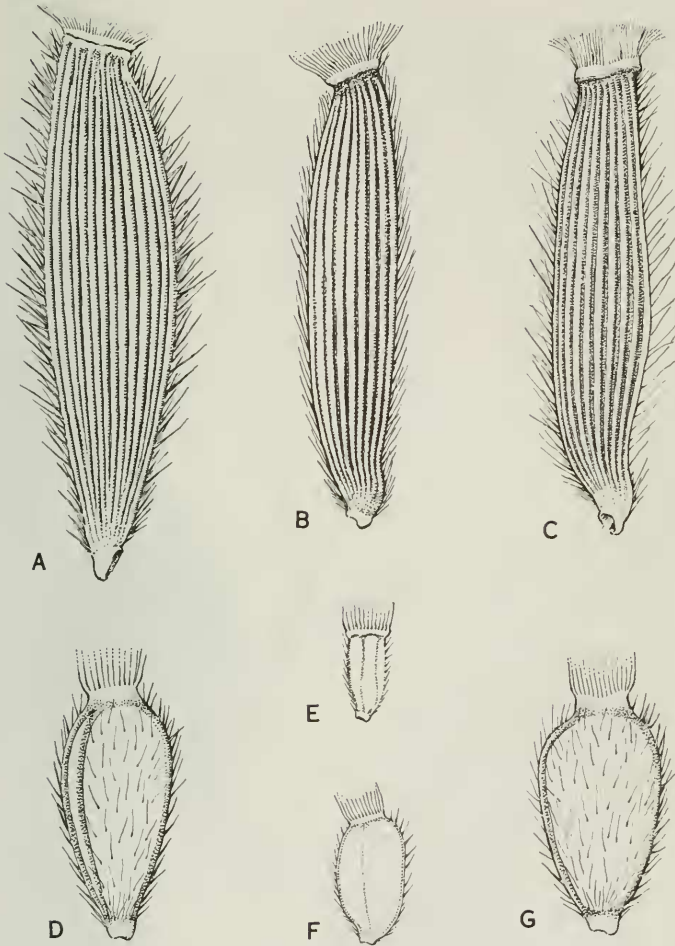
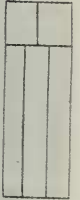


Fig. 1. - A, Noticastrum calvatum (L.B. Smith 6321); B, Noticastrum adscendens D.C., from type specimen, Gay s.n. (K); C, Noticastrum marginatum (Archer 1220); D, Aster amellus L. (Herb. Mouillefarine), 3-ribbed form; E and F, Aster dumosus L. (Cuatr. s.n.); G, Aster amellus (Herb. Mouillefarine), simply marginate (2-ribbed) form. All x 10.



HERB MUS PARIS

Notionastrum ascendens DC.

1866. Cl. Gay

Notionastrum ascendens DC.
Type specimen
5-18-1963

HERB MUS PARIS

Notionastrum ascendens DC.



CHILI

M. Cl. Gay.